

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/034010

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/32 C12Q1/48 G01N33/573

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CLARK B.R., HALPERN R.M. AND SMITH R.A.: "A fluorimetric method for quantitation in the picomole range of N1-Methylnicotinamide and Nicotinamide in serum" ANALYTICAL BIOCHEMISTRY, no. 68, 1975, pages 54-61, XP009046312 abstract p.61, paragraph 2 page 57, line 6 - line 8	1-17, 40-47
X	US 4 166 765 A (WEETALL, HOWARD H) 4 September 1979 (1979-09-04) column 1, line 49 - line 68 ----- -/-	18,25,33

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

14 April 2005

Date of mailing of the international search report

02/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Jacques, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/034010

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	PUTT K S ET AL: "An enzymatic assay for poly(ADP-ribose) polymerase-1 (PARP-1) via the chemical quantitation of NAD<+>: application to the high-throughput screening of small molecules as potential inhibitors" ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 326, no. 1, 1 March 2004 (2004-03-01), pages 78-86, XP004488913 ISSN: 0003-2697 the whole document -----	1-53
P,X	WO 2004/064739 A (ELIXIR PHARMACEUTICALS, INC; NAPPER, ANDREW; HIXON, JEFFREY; MCDONAGH,) 5 August 2004 (2004-08-05) the whole document -----	1-53
A	BROWN JANICE A ET AL: "Development of a high-throughput screening-amenable assay for human poly(ADP-ribose) polymerase inhibitors." JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS, vol. 47, no. 3, 2002, pages 137-141, XP002324564 ISSN: 1056-8719 the whole document -----	1-53
A	DECKER P ET AL: "An improved nonisotopic test to screen a large series of new inhibitor molecules of poly(ADP-ribose) polymerase activity for therapeutic applications." CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. MAY 1999, vol. 5, no. 5, May 1999 (1999-05), pages 1169-1172, XP002324565 ISSN: 1078-0432 the whole document -----	1-53
A	CHEUNG ANISSA ET AL: "A scintillation proximity assay for poly(ADP-ribose) polymerase" ANALYTICAL BIOCHEMISTRY, vol. 282, no. 1, 15 June 2000 (2000-06-15), pages 24-28, XP002324566 ISSN: 0003-2697 the whole document -----	1-53

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/034010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4166765	A	04-09-1979	NONE	
WO 2004064739	A	05-08-2004	WO 2004064739 A2	05-08-2004

BEST AVAILABLE COPY